XP-002336207

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1/1 - (C) FILE CAPLUS

AN - 1991:113460 CAPLUS

DN - 114:113460

ED - Entered STN: 23 Mar 1991

TI - Solid electrolytic capacitor having electrically conductive polymer on dielectric oxide film

IN - Morimoto, Takeshi; Endo, Eiji; Takemiya, Satoshi

PA - Asahi Glass Co., Ltd., Japan

SO - Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

DT - Patent

LA - Japanese

IC - ICM H01G009-02

CC - 76-10 (Electric Phenomena)
Section cross-reference(s): 35

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP2249221	A2	19901005	JP 1989-69198	19890323 <--
				JP 1989-69198	19890323

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 02249221	ICM	H01G009-02

AB - The title capacitor is prepd. by precoating the dielec. film with a polymer and overcoating with an elec. conductive polymer, in which the undercoating prevents the top layer from decrease of cond. A formed Al anode foil was coated with an EtOH soln. of Flemion (sulfonic acid-contg. perfluorovinyl ether-tetrafluoroethylene copolymer) soln., dried, then subjected under electrolytic polymn. of pyrrole in the presence of naphthalenesulfonic acid. The resulting solid capacitor showed improved adhesion between the dielec. film and the electrolyte and small leak current.

ST - solid electrolytic capacitor undercoating polymer; electrolyte undercoating fluoropolymer sulfonic acid; polypyrrole doped solid electrolyte capacitor; adhesion strength polypyrrole alumina capacitor

IT - Electric insulators and Dielectrics
(film, for solid electrolytic capacitor, elec. conductive polymer electrolyte with undercoating in)

IT - Electric conductors
(polymer, solid electrolyte, for capacitor, undercoating between dielec. film in)

IT - Fluoropolymers
RL: TEM (Technical or engineered material use); USES (Uses)
(undercoatings, for solid elec. conductive polymer electrolyte, for capacitor, with adhesion between dielec. film)

IT - Electric capacitors
(electrolytic, solid, undercoating for elec. conductive polymer in)

IT - 1344-28-1, Aluminum oxide, uses and miscellaneous
RL: USES (Uses)
(dielec. film, for solid electrolytic capacitor, elec. conductive polymer electrolyte with undercoating in)

IT - 30604-81-0, Polypyrrole
RL: TEM (Technical or engineered material use); USES (Uses)
(doped, solid electrolyte, for capacitor, undercoating between dielec. film in)

IT - 104-15-4, Toluenesulfonic acid, uses and miscellaneous 25155-19-5, Naphthalenesulfonic acid
RL: TEM (Technical or engineered material use); USES (Uses)
(solid electrolyte doped with, for capacitor, undercoating between dielec. film in)

IT - 7429-90-5, Aluminum, uses and miscellaneous
RL: TEM (Technical or engineered material use); USES (Uses)
(solid electrolytic capacitor, undercoating for elec. conductive polymer for, with improved adhesion between dielec. oxide film and electrolyte)

IT - 50851-57-5, Poly(styrenesulfonic acid)
RL: TEM (Technical or engineered material use); USES (Uses)
(undercoating, for solid elec. conductive polymer electrolyte, for capacitor, with adhesion between dielec. film)

PAGE 20/22 * RCVD AT 9/12/2007 3:44:45 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/9 * DNIS:2738300 * CSID:302 892 1026 * DURATION (mm-ss):07-46